IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NUMBER:	**10/660,996**
FILING DATE:	**09/12/2003**
FIRST NAMED INVENTOR:	**David J. Ecker**
ART UNIT:	**1637**
EXAMINER NAME:	**Jeffrey Norman Fredman**
ATTORNEY DOCKET NUMBER:	**DIBIS-0002US.P4 (10448)**
TITLE:	**METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS FOR ENVIRONMENTAL AND PRODUCT TESTING**

MAIL STOP AMENDMENT
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P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
Under 37 C.F.R. §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 C.F. R. §§ 1.56 and 1.97-98, enclosed herewith is PTO Forms PTO/SB/08A and PTO/SB/08B listing references for consideration by the Examiner.

Documents disclosed herein are those compiled from United States Patent Applications related to the instant application. Examiner has already considered many of these documents in the related cases in which they were filed.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be

considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

☐ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;

☐ before the mailing of a first official action after filing of a request for continued examination (RCE) under 37 C.F.R. § 1.114;

☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before that mailing date of the first office action to occur of either: (1) a final action under 37 C.F.R. § 1.113; or (2) an action that otherwise closes prosecution in the application, and:

☐ attached hereto is the fee set forth under 37 C.F.R. § 1.17(p) for submission of this Information Disclosure Statement under 37 C.F.R. § 1.97(c); OR

☐ Applicant certifies pursuant to 37 C.F.R. § 1.97(e) that:

☐ each item of the information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement;

OR

☐ no item of information contained in this Information Disclosure Statement was cited in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Statement.

☒ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 C.F.R. § 1.113; (2) a notice of allowance under 37 C.F.R. § 1.311; or (3) an action that otherwise closes prosecution in the application, and:

☐ Applicant certifies pursuant to 37 C.F.R. § 1.97(e) that:

☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement;

OR

☐ no item of information contained in this Information Disclosure Statement was cited in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Statement. AND

☒ attached hereto is the fee set forth under 37 C.F.R. § 1.17(p) for submission of this Information Disclosure Statement under 37 C.F.R. § 1.97(c); OR

☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 C.F.R. § 1.97(i), although the information may not be considered by the USPTO.

☒ Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. , filed on , and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 C.F.R. § 1.98(d).

☒ This application was filed after June 30, 2003. Therefore, pursuant to the waiver of the requirements under 37 C.F.R. § 1.98(a)(2)(i), copies of each U.S. Patent and each U.S. Patent Application Publication are not required to be submitted. Copies of any foreign patent documents and non-patent literature cited herein are enclosed.

☐ Each item of information contained in this Information Disclosure Statement was cited in the communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement 37 C.F.R. § 1.704(d).

☐ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement. However, if a fee is due, the Commissioner is hereby authorized to charge Deposit Account No 500252 referencing case number .

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,

Dated: 2/20/2007

Jeff Landes, Esq.
Registration No.: 55,355
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PTO/SB/08A (09-06)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 12

Complete if Known	
Application Number	10/660,996
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Art Unit	1637
Examiner Name	Jeffrey Norman Fredman
Attorney Docket Number	DIBIS-0002US.P4

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No [1]	Document Number: Number - Kind Code [2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	CP	US-5,484,908	01-16-1996	Fröchler et al.	
	CQ	US-5,502,177	03-26-1996	Matteucci et al.	
	CR	US-5,503,980	04-02-1996	Cantor	
	CS	US-5,527,675	06-18-1996	Coull et al.	
	CT	US-5,580,733	12-03-1996	Levis et al.	
	CU	US-5,625,184	04-29-1997	Vestal et al.	
	CV	US-5,645,985	07-08-1997	Froehler et al.	
	CW	US-5,686,242	11-11-1997	Bruice et al.	
	CX	US-5,700,642	12-23-1997	Monforte et al.	
	CY	US-5,759,771	06-02-1998	Tilanus	
	CZ	US-5,763,588	07-09-1998	Matteucci et al.	
	DA	US-5,770,367	06-23-1998	Southern et al.	
	DB	US-5,777,324	07-07-1998	Hillenkamp	
	DC	US-5,830,653	11-03-1998	Froehler et al.	
	DD	US-5,830,655	11-03-1998	Monforte et al.	
	DE	US-5,851,765	12-22-1998	Koster	
	DF	US-5,864,137	01-26-1999	Becker et al.	
	DG	US-5,869,242	02-09-1999	Kamb	
	DH	US-5,871,697	02-16-1999	Rothberg et al.	
	DI	US-5,876,936	03-02-1999	Ju	
	DJ	US-5,928,906	07-27-1999	Koster et al.	

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Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code [3] - Number [4] - Kind Code [5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T [6]
	DK	DE19802905	07-29-1999	Bruker Daltonik		
	DL	DE19824280	12-02-1999	Bruker Daltonik		
	DM	DE19852167	05-31-2000	Bruker Saxonia		
	DN	EP1138782	10-14-2001	Bruker Saxonia		
	DO	EP1234888	08-28-2002	Bruker Saxonia		
	DP	EP1333101	08-06-2003	Bruker Daltonik		
	DQ	GB2325002	11-11-1998	Bruker Franzen		
	DR	GB2339905	02-09-2000	Bruker Daltonik		
	DS	WO 93/03186	02-18-1993	Hoffman-La Roche		
	DT	WO 94/16101	07-21-1994	Koster		

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 12

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	DU	US-5,981,176	11-09-1999	Wallace	
	DV	US-5,994,066	11-30-1999	Bergeron et al.	
	DW	US-6,001,564	12-14-1999	Bergeron et al.	
	DX	US-6,005,096	12-21-1999	Matteucci et al.	
	DY	US-6,007,992	12-28-1999	Lin et al.	
	DZ	US-6,028,183	02-22-2000	Lin et al.	
	EA	US-6,046,005	04-04-2000	Ju et al.	
	EB	US-6,051,378	04-18-2000	Monforte et al.	
	EC	US-6,054,278	04-25-2000	Dodge et al.	
	ED	US-6,074,823	06-13-2000	Koster	
	EE	US-6,090,558	07-18-2000	Butler et al.	
	EF	US-6,104,028	08-15-2000	Hunter et al.	
	EG	US-6,111,251	08-29-2000	Hillenkamp	
	EH	US-6,140,053	10-31-2000	Koster	
	EI	US-6,146,144	11-14-2000	Fowler et al.	
	EJ	US-6,153,389	11-28-2000	Haarer et al.	
	EK	US-6,159,681	12-12-2000	Zebala	
	EL	US-6,180,372	01-30-2001	Franzen	
	EM	US-6,194,144	02-27-2001	Koster	
	EN	US-6,197,498	03-06-2001	Koster	

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	EO	WO 94/21822	09-24-1994	Koster		
	EP	WO 96/29431	09-26-1996	Sequenom		
	EQ	WO 96/32504	10-17-1996	Trust. of Boston		
	ER	WO 96/37630	11-28-1996	SRI International		
	ES	WO 98/03684	01-29-1998	Hybridon Inc.		
	ET	WO 98/14616	04-09-1998	Perseptive Bio.		
	EU	WO 98/15652	04-16-1998	Brax Genomics		
	EV	WO 98/20020	05-14-1998	Sequenom Inc.		
	EW	WO 98/20157	05-14-1998	Infectio Diagnost.		
	EX	WO 98/26095	06-18-1998	Genetrace Sys.		

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Sheet 3 of 12

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Attorney Docket Number	DIBIS-0002US.P4

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	EY	US-6,218,118	04-17-2001	Sampson et al.	
	EZ	US-6,221,601	04-24-2001	Koster et al.	
	FA	US-6,221,605	04-24-2001	Koster	
	FB	US-6,225,450	05-01-2001	Koster	
	FC	US-6,235,476	05-22-2001	Bergmann et al.	
	FD	US-6,235,478	05-22-2001	Koster	
	FE	US-6,235,480	05-22-2001	Shultz et al.	
	FF	US-6,238,871	05-29-2001	Koster	
	FG	US-6,238,927	05-29-2001	Abrams et al.	
	FH	US-6,258,538	07-10-2001	Koster et al.	
	FI	US-6,265,716	07-24-2001	Hunter et al.	
	FJ	US-6,268,129	07-31-2001	Gut et al.	
	FK	US-6,268,131	07-31-2001	Kang et al.	
	FL	US-6,268,144	07-31-2001	Koster	
	FM	US-6,268,146	07-31-2001	Shultz et al.	
	FN	US-6,270,973	08-07-2001	Lewis et al.	
	FO	US-6,270,974	08-07-2001	Shultz et al.	
	FP	US-6,277,573	08-21-2001	Koster	
	FQ	US-6,277,578	08-21-2001	Shultz et al.	
	FR	US-6,300,076	10-09-2001	Koster	

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	FS	WO 98/31830	07-23-1998	Brax Genomics		
	FT	WO 98/40520	09-17-1998	Hybridon Inc.		
	FU	WO 99/05319	02-04-1999	Rapigene, Inc.		
	FV	WO 99/29898	06-17-1999	Max-Planck		
	FW	WO 99/57318	11-11-1999	Sequenom Inc.		
	FX	WO 01/07648	02-01-2001	Artus Gesell.		
*	FY	WO 01/23604	04-05-2001	Infectio Diagnost.		
	FZ	WO 01/32930	05-10-2001	California Instit.		
	GA	WO 01/51661	07-19-2001	Amsterdam Support		
	GB	WO 01/57263	08-09-2001	Advion Biosci.		

* A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.

Examiner Signature		Date Considered	

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	GC	US-6,312,893	11-06-2001	Van Ness et al.	
	GD	US-6,312,902	11-06-2001	Shultz et al.	
	GE	US-6,361,940	03-26-2002	Van Ness et al.	
	GF	US-6,372,424	04-16-2002	Brow et al.	
	GG	US-6,391,551	05-21-2002	Shultz et al.	
	GH	US-6,423,966	07-23-2002	Hillenkamp et al.	
	GI	US-6,428,955	08-06-2002	Koster et al.	
	GJ	US-6,432,651	08-13-2002	Hughes et al.	
	GK	US-6,436,635	08-20-2002	Fu et al.	
	GL	US-6,436,640	08-20-2002	Simmons et al.	
	GM	US-6,458,533	10-01-2002	Felder et al.	
	GN	US-6,468,748	10-22-2002	Monforte et al.	
	GO	US-6,475,736	11-05-2002	Stanton, Jr.	
	GP	US-6,479,239	11-12-2002	Anderson et al.	
	GQ	US-6,500,621	12-31-2002	Koster	
	GR	US-6,558,902	05-06-2003	Hillenkamp	
	GS	US-6,566,055	05-20-2003	Monforte et al.	
	GT	US-6,582,916	06-24-2003	Schmidt et al.	
	GU	US-6,589,485	07-08-2003	Koster	

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	GV	WO 02/10186	02-07-2002	California Instit.		
	GW	WO 02/18641	03-07-2002	Sequenom-Gemini		
	GX	WO 02/21108	03-14-2002	Large Scale		
	GY	WO 02/50307	06-27-2002	Chugai Seiyaku		
	GZ	WO 02/57491	07-25-2002	Board of Trustees of the Leland		
	HA	WO 02/077278	10-03-2002	Council of Scientific		
	HB	WO 02/099034	12-12-2002	Infection Diagnostic		
	HC	WO 03/002750	01-09-2003	High Throughput		
	HD	WO 03/008636	01-30-2003	Infectio Diagnost.		
	HE	WO 03/016546	02-27-2003	Flinders Technol.		

Examiner Signature		Date Considered	

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	HF	US-6,602,662	08-05-2003	Koster	
	HG	US-6,605,433	08-12-2003	Fliss et al.	
	HH	US-6,623,928	09-23-2003	Van Ness et al.	
	HI	US-6,682,889	08-12-2003	Fliss et al.	
	HJ	US-6,716,634	04-06-2004	Myerson	
	HK	US-2002/0045178	04-18-2002	Cantor et al.	
	HL	US-2002/0137057	09-26-2002	Wold et al.	
	HM	US-2002/0150903	10-17-2002	Koster	
	HN	US-2002/0150927	10-17-2002	Matray et al.	
	HO	US-2002/0168630	11-14-2002	Fleming et al.	
	HP	US-2003/0017487	01-23-2003	Xue et al.	
	HQ	US-2003/0039976	02-27-2003	Haff	
	HR	US-2003/0064483	04-03-2003	Shaw et al.	
	HS	US-2003/0073112	04-17-2003	Zhang et al.	
	HT	US-2003/0113745	06-19-2003	Monforte et al.	
	HU	US-2003/0129589	07-10-2003	Koster et al.	
	HV	US-2003/0134312	07-17-2003	Burgoyne	
	HW	US-2003/0148284	08-07-2003	Vision et al.	
	HX	US-2003/0175729	09-18-2003	Van Eijk et al.	
	HY	US-2003/0194699	10-16-2003	Lewis et al.	
	HZ	US-2003/0203398	10-30-2003	Bramucci et al.	
	IA	US-2003/0220844	11-27-2003	Marnellos et al.	
	IB	US-2004/0005555	01-08-2004	Rothman et al.	
	IC	US-2004/0038206	02-26-2004	Zhang et al.	
	ID	US-2004/0038234	02-26-2004	Gut et al.	
	IE	US-2004/0038385	02-26-2004	Langlois et al.	

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	IF	WO 03/060163	07-24-2003	Keygene N.V.		
	IG	WO 03/088979	10-30-2003	Centre National		
	IH	WO 03/097869	11-27-2003	Con/Cipio GmbH		

Examiner Signature		Date Considered	

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Sheet 6 of 12

Complete If Known	
Application Number	10/660,996
Filing Date	09/12/2003
First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	Jeffrey Norman Fredman
Attorney Docket Number	DIBIS-0002US.P4

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	II	BAHRMAND, A. R. et al., "Use of restriction enzyme analysis of amplified DNA coding for the hsp65 gene and polymerase chain reaction with universal primer for rapid differentiation of mycobacterium species in the clinical laboratory," *Scand. J. Infect. Diseases* (1998) 30(5):477-80.	
	IJ	BAHRMAND, A. R. et al., "Polymerase chain reaction of bacterial genomes with single universal primer: application to distinguishing mycobacteria species," *Mol. Cell. Probes* (1996) 10(2):117-122.	
	IK	BASTIA, T. et al., "Organelle DNA analysis of Solanum and Brassica somatic hybrids by PCR with 'universal primers'," *Theoretical and Applied Genetics* (2001) 102(8):1265-1272.	
	IL	BOIVIN-JAHNS, V. et al., "Bacterial Diversity in a Deep-Subsurface Clay Environment," *Appl. Environ. Micrbiol.* (1996) 62(9):3405-3412.	
	IM	BOWEN, J. E. et al., "The native virulence plasmid combination affects the segregational stability of a theta-replicating shuttle vector in Bacillus anthracis var. New Hampshire," *J Appl Microbiol.* (1999) 87(2):270-278.	
	IN	CESPEDES, A. et al., "Polymerase chain reaction restriction fragment length polymorphism analysis of a short fragment of the cytochrome b gene for identification of flatfish species," *J. Food Protection* (1998) 61(12):1684-1685.	
	IO	CHEN, C. A. et al., "Universal primers for amplification of mitochondrial small subunit ribosomal RNA-encoding gene in scleractinian corals," *Marine Biotech.* (2000) 2(2):146-153.	
	IP	CHO, M. et al., "Application of the ribonuclease P (RNase P) RNA gene sequence for phylogenetic analysis of the gene Saccharomonospora," *Internat. J. of Sys. Bacteriol.* (1998) 48:1223-1230.	
	IQ	CORNEL, A. J. et al., "Polymerase chain reaction species diagnostic assay for Anopheles quadrimaculatus cryptic species (Diptera: Culicidae) based on ribosomal DNA ITS2 sequences," *Journal of Medical Entomology* (1996) 33(1):109-116.	
	IR	CRAIN, P. F. et al., "Applications of mass spectrometry to the characterization of oligonucleotides and nucleic acids," *Curr Opin Biotechnol* (1998) 9(1):25-34.	
	IS	CRESPILLO, M. et al., "Mitochondrial DNA sequences for 118 individuals from northeastern Spain," *Int. J. Legal Med.* (2000) 114:130-132.	
	IT	DEFORCE, D. L. et al., "Analysis of oligonucleotides by ESI-MS," *Advances in Chromatography* (2000) 40:539-566.	

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	IU	DIAS NETO, E. et al., "Shotguo sequencing of the human transcriptome with ORF expressed sequence tags," *PNAS* (2000) 97(7):3491-3496.	
	IV	DINAUER, D. M. et al., "Sequence-based typing of HLA class II DQB1," *Tissue Antigens* (2000) 55(4):364-368.	
	IW	DUBERNET, S. et al., "A PCR-based method for identification of Lactobacilli at the genus level," *FEMS Microbiology Letters* (2002) 214(2):271-275.	
	IX	FIGUEIREDO, L. T. M. et al., "Identification of Brazilian flaviviruses by a simplified reverse transcription-polymerase chain reaction method using Flavivirus universal primers," *American Journal of Tropical Medicine and Hygiene* (1998) 59(3):357-362.	
	IY	FOX, A. et al., "Identification and detection of bacteria: electrospray MS-MS versus derivatization/GC-MS," *Proceedings of the ERDEC Scientific Conference on Chemical and Biological Defense Research* (1994) Aberdeen Proving Ground, Md., Nov. 15-18, p. 39-44.	
	IZ	FUJIOKA, S. et al., "Analysis of enterovirus genotypes using single-strand conformation polymorphisms of polymerase chain reaction products," *J. Virol. Meth.* (1995) 51:253-258.	
	JA	GATTERMANN, N. et al., "Heteroplasmic Point Mutations of Mitochondrial DNA Affecting Subunit I of Cytochrome c Oxidase in Two Pateints with Acquired Idiopathic Sideroblastic Anemia," *Blood* (1997) 90(12):4961-4972.	
	JB	GRIFFIN, T. J. et al., "Single-nucleotide polymorphism analysis by MALDI-TOF mass spectrometry," *Trends in Biotechnology* (2000) 18(2):77-84.	
	JC	HAHNER, S. et al., "Analysis of short tandem repeat polymorphisms by electrospray ion trap mass spectrometry," *Nucleic Acids Res.* (2000) 28(18):E82.	
	JD	HANNIS, J. C. et al., "Genotyping complex short tandem repeats using electrospray ionization Fourier transform ion cyclotron resonance multistage mass spectrometry," *Proceedings of SPIE-The International Society for Optical Engineering* (2000) 3926:36-47.	
	JE	HENCHAL, E. A. et al., "Sensitivity and specificity of a universal primer set for the rapid diagnosis of dengue virus infections by polymerase chain reaction and nucleic acid hybridization," *American Journal of Tropical Medicine and Hygiene* (1991) 45(4):418-428.	
	JF	HERRMANN, B. et al., "Differentiation of *Chlamydia* spp. by Sequence Determination and Restriction Endonuclease Cleavage of RNase P RNA Genes," *J. Clin. Microbiol.* (1996) 34(8): 1897-1902.	

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	JG	HIGGINS, G. S. et al., "Competitive oligonucleotide single-base extension combined with mass spectrometric detection for mutation screening," *BioTechniques* (1997) 23(4):710-714.	
	JH	HONDA, K. et al., "Universal method of hypersensitive nested PCR toward forensic DNA typing," *International Congress Series* (1998) 7:28-30.	
	JI	HURST, G. B. et al., "MALDI-TOF analysis of polymerase chain reaction products from methanotrophic bacteria," *Anal. Chem,* (1998) 70(13):2693-2698.	
	JJ	JOHNSON, Y. A. et al., "Precise molecular weight determination of CPR products of the rRNA intergenic spacer region using electrospray quadrupole mass spectrometry for differentiation of *B. subtilis* and *B. atrophaeus*, closely related species of bacilli," *J. Microbiol. Methods* (2000) 40(3):241-254.	
	JK	JURINKE, C. et al., "Detection of hepatitis B virus DNA in serum samples via nested PCR and MALDI-TOF mass spectrometry," *Genetic Analysis: Biomolecular Engineering* (1996) 13:67-71.	
	JL	KILPATRICK, D. R. et al., "Group-Specific Identification of Polioviruses by PCR Using Primers Containing Mixed-Base or Deoxyinosine Residues at Positions of Codon Degeneracy," *J. Clin. Microbiol.* (1996) 34(12):2990-2996.	
	JM	KRAHMER, M. T. et al., "Electrospray quadrupole mass spectrometry analysis of model oligonucleotides and polymerase chain reaction products: determination of base substitutions, nucleotide additions/deletions, and chemical modifications," *Anal. Chem.* (1999) 71(14):2893-2900.	
	JN	KRAHMER, M. T. et al., "MS for identification of single nucleotide polymorphisms and MS/MS for discrimination of isomeric PCR products," *Anal. Chem.* (2000) 72(17):4033-4040.	
	JO	LACROIX, J.-M. et al., "PCR-based technique for the detection of bacteria in semen and urine," *J. Microbiol. Methods* (1996) 26:61-71.	
	JP	LEIF, H. et al., "Isolation and characterization of the proton-translocating NADH: ubiquinone oxidoreductase from Escherichia coli," *Eur. J. Biochem.* (1995) 230(2):538-548.	
	JQ	LI, J. et al., "Single nucleotide polymorphism determination using primer extension and time-of-flight mass spectrometry," *Electrophoresis* (1999) 20(6):1258-1265.	
	JR	LIU, Y. et al., "An unusual gene arrangement for the putative chromosome replication origin and circadian expression of *dnaN* in *Synechococcus* sp. strain PCC 7942," *Gene* (1996) 172(1):105-109.	

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	JS	LOAKES, D. et al., "Nitroindoles as Universal Bases," *Nucleosides Nucleotides* (1995) 14:1001-1003.	
	JT	LOVE, B. C. et al., "Cloning and sequence of the *groESL* heat-shock operon of *Pasteurella multocida*," *Gene* (1995) 166(1):179-180.	
	JU	MAIWALD, M. et al., "Characterization of contaminating DNA in Taq polymerase which occurs during amplification with a primer set for Legionella 5S ribosomal RNA," *Mol. Cell. Probes* (1994) 8(1):11-14.	
	JV	MARTEMYANOV, K. A. et al., "Extremely Thermostable Elongation Factor G from *Aquifex aeolicus*: Cloning, Expression, Purification, and Characterization in a Heterologous Translation System," *Protein Expr. Purif.* (2000) 18(3):257-261.	
	JW	MATRAY, T. J. et al., "Synthesis and properties of RNA analogs – oligoribonucleotide N3'→P5' phosphoramidates," *Nucleic Acids Res.* (1999) 27(20):3976-3985.	
	JX	MESSMER, T. O. et al., "Discrimination of Streptococcus pneumoniae from other upper respiratory tract streptococci by arbitrarily primed PCR," *Clin. Biochem.* (1995) 28(6):567-572.	
	JY	MORSE, R. et al., "Nucleotide Sequence of Part of the *ropC* Gene Encoding the β' Subunit of DNA-Dependent RNA Polymerase from some Gram-Positive Bacteria and Comparative Amino Acid Sequence Analysis," *System Appl. Microbiol.* (1996) 19:150-157.	
	JZ	MUDDIMAN, D. C. et al., "Application of secondary ion and matrix-assisted laser desorption-ionization time-of-flight mass spectrometry for the quantitative analysis of biological molecules," *Mass Spectrometry Reviews* (1996) 14(6):383-429.	
	KA	MUDDIMAN, D. C. et al., "Important aspects concerning the quantification of biomolecules by time-of-flight secondary-ion mass spectrometry," *Applied Spectroscopy* (1996) 50(2):161-166.	
	KB	MUHAMMAD, W. T. et al., "Electrospray ionization quadrupole time-of-flight mass spectrometry and quadrupole mass spectrometry for genotyping single nucleotide substitutions in intact polymerase chain reaction products in K-ras and p53," *Rapid Commun. Mass Spectrom.* (2002) 16(24):2278-2285.	
	KC	MUSHEGIAN, A. R. et al., "A minimal gene set for cellular life derived by comparison of complete bacterial genomes," *Proc. Natl. Acad. Sci. USA* (1996) 93(19):10268-10273.	
	KD	NAKAO, H. et al., "Development of a Direct PCR Assay for Detection of the Diphtheria Toxin Gene," *J. Clin. Microbial.* (1997) 35(7):1651-1655.	

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Sheet 10 of 12

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Application Number	10/660,996
Filing Date	09/12/2003
First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	Jeffrey Norman Fredman
Attorney Docket Number	DIBIS-0002US.P4

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	KE	NAUMOV, G. I. et al., "Discrimination between the soil yeast species Williopsis saturnus and Williopsis suaveolens by the polymerase chain reaction with the universal primer N21," *Microbiology* (Moscow)(Translation of Mikrobiologiya) (2000) 69(2):229-233.	
	KF	NISHIKAWA, T. et al., "Reconstitution of active recombinant Shiga toxin (Stx)1 from recombinant Stx1-A and Stx1-B subunits independently produced by *E. coli* clones," *FEMS Microbiol. Lett.* (1999) 178:13-18.	
	KG	REID, S. M. et al., "Primary diagnosis of foot-and-mouth disease by reverse transcription polymerase chain reaction," *Journal of Virological Methods* (2000) 89(1-2):167-176.	
	KH	REILLY, K. et al., "Design and use of 16S ribosomal DNA-directed primers in competitive PCRs to enumerate proteolytic bacteria in the rumen," *Microbiol. Ecol.* (2002) 43(2):259-270.	
	KI	ROSS, P. L. et al., "Analysis of DNA fragments from conventional and microfabricated PCR devices using delayed extraction MALDI-TOF mass spectrometry," *Anal. Chem.* (1998) 70(10): 2067-2073.	
	KJ	SALA, M. et al., "Ambiguous base pairing of the purine analogue 1-(2-deoxy-β-D-ribofuranosyl)-imidazole-4-carboxamide during PCR," *Nucleic Acids Res.* (1996) 24(17):3302-6.	
	KK	SAUER, S. et al., "A novel procedure for efficient genotyping of single nucleotide polymorphisms," *Nucleic Acids Res.* (2000) 28(5):E13.	
	KL	SCHRAM, K. H., "Mass Spectrometry of Nucleic Acid Components," *Biomedical Applications of Mass Spectrometry* (1990) 34:203-280.	
	KM	SCHULTZ, J. C. et al., "Polymerase chain reaction products analyzed by charge detection mass spectrometry," *Rapid Communications in Mass Spectrometry* (1999) 13(1):15-20.	
	KN	SESHADRI, R. et al., "Differential Expression of Translational Elements by Life Cycle Variants of *Coxiella burnetii*," *Infect. Immun.* (1999) 67(11):6026-6033.	
	KO	SHAVER, Y. J. et al., "Variation in 16S-23S rRNA intergenic spacer regions among Bacillus subtilis 168 isolates," *Molecular Microbiology* (2001) 42(1):101-109.	
	KP	TAKAHASHI, H. et al., "Characterization of *gyrA*, *gyrB*, *grlA* and *grlB* mutations in fluoroquinolone-resistant clinical isolates of Staphylococcus aureus," *J. Antimicrob. Chemother.* (1998) 41(1):49-57.	
	KQ	TONG, J. et al., "Ligation reaction specificities of an NAD^+-dependent DNA ligase from the hyperthermophile *Aquifex aeolicus*," *Nucleic Acids Res.* (2000) 28(6):1447-1454.	

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	KR	VAN AERSCHOT, A. et al., "In search of acyclic analogues as universal nucleosides in degenerate probes," *Nucleosides & Nucleotides* (1995) 14(3-5):1053-1056.	
	KS	VAN BAAR, B. L., "Characterisation of bacteria by matrix-assisted laser desorption/ionisation and electrospray mass spectrometry," *FEMS Microbiol. Rev.* (2000) 24(2):193-219.	
	KT	VAN CAMP, G. et al., "Amplification and sequencing of variable regions in bacterial 23S ribosomal RNA genes with conserved primer sequences," *Curr. Microbiol.* (1993) 27(3):147-151.	
	KU	VAN ERT, M. N. et al., "Mass spectrometry provides accurate characterization of two genetic marker types in *Bacillus anthracis*," *Biotechniques* (2004) 37(4):642-651.	
	KV	WALTERS, J. J. et al., "Genotyping single nucleotide polymorphisms using intact polymerase chain reaction products by electrospray quadrupole mass spectrometry," *Rapid Commun. Mass Spectrom.* (2001) 15(18):1752-1759.	
	KW	WELHAM, K. J. et al., "The Characterization of Micro-organisms by Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry," *Rapid Commun. Mass Spec.* (1988) 12:176-180.	
	KX	WIDJOJOATMODJO, M. N. et al., "Rapid identification of bacteria by PCR-single-strand conformation polymorphism," *J. Clin. Microbiol.* (1994) 32(12):3002-3007.	
	KY	WOLTER, A. et al., "Negative Ion FAB Mass Spectrometric Analysis of Non-Charged Key Intermediates in Oligonucleotide Synthesis: Rapid Identification of Partially Protected Dinucleoside Monophosphates," *Biomed. Environ. Mass Spectrom.* (1987) 14:111-116.	
	KZ	WOO, T. H. S. et al., "Identification of Leptospira inadai by continuous monitoring of fluorescence during rapid cycle PCR," *Systematic and Applied Microbiology* (1998) 21(1):89-96.	
	LA	WUNSCHEL, D. et al., "Discrimination among the B. cereus group, in comparison to B. subtilis, by structural carbohydrate profiles and ribosomal RNA spacer region PCR," *Systematic and Applied Microbiology* (1995) 17(4):625-635.	
	LB	WUNSCHEL, D. S. et al., "Analysis of double-stranded polymerase chain reaction products from the Bacillus cereus group by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry," *Rapid Communications in Mass Spectrometry* (1996) 10(1):29-35.	
	LC	YAO, Z.-P. et al., "Mass Spectrometry-Based Proteolytic Mapping for Rapid Virus Identification," *Anal. Chem.* (2002) 74(11):2529-2534.	

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	LD	YASUI, T. et al., "A specific oligonucleotide primer for the rapid detection of Lactobacillus lindneri by polymerase chain reaction," *Can. J. Microbiol.* (1997) 43(2):157-163.	
	LE	BLAST Search results (03/2006)	

Examiner Signature		Date Considered	

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[1] Applicant's unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.